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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/527,208

11/07/2005

Peter Andrich

HKH-15PCT

9638

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03/03/2009

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EXAMINER

WOOD, ELLEN S

ART UNIT

PAPER NUMBER

1794

MAIL DATE

DELIVERY MODE

03/03/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/527,208	Applicant(s) ANDRICH ET AL.	
	Examiner ELLEN S. WOOD	Art Unit 1794	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 November 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) 11-25 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

3. Claim 1 states ***"wherein the wall is formed of an insertable material"***. The applicant does not give a definition of ***"insertable material"*** in the specification. This term is not known to one of ordinary skill in the art and renders the claim indefinite. The examiner believes an ***"insertable material"*** is a material that can be inserted into a mold and be blown into the desired shape.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1 and 5-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Darras et al. (US 2002/0176947, hereinafter "Darras").

Art Unit: 1794

In regards to claim 1, Darras discloses containers, such as bottles and flasks [0001]. Thus, a beverage container. The container is formed from a polymer material, such as a polyolefin or a polyester [0023]. The polymer material has constituents that can migrate into the interior of the container, thus a internal coating is used to prevent the migration [0024]. The internal coating is applied by plasma deposition [0026]. The polymer material is a thermoplastic material that is already molded [0016], thus the wall is formed of an insertable material. Darras discloses that without the internal coating the polymer material is left in contact with the liquid and does not offer any protection against the disadvantages incurred by this contact: possibility of certain constituents migrating from the polymer into the liquid, possibility of a chemical reaction between the polymer and liquid, acetaldehyde being transferred into the liquid, etc., all factors which are likely to give rise to organoleptic problems [0009]. Thus, the internal coating controls the migration of constituents into the liquid to prevent harmful constituents from entering the contents of the container.

In regards to claim 5, Darras discloses that the surface coating is applied as a plasma coating [0040].

In regards to claim 6, Darras discloses that the surface coating may be a network of silicon stabilized by oxygen (SiOx) [0020].

In regards to claim 7, Darras discloses that the container may be in the shape of a bottle (abstract)

In regards to claims 8 and 10, Darras discloses that the polymer material consists of a single-layer material of PET [0023].

In regards to claim 9, Darras discloses that the PET container wall is made of polymer material in which has been pre-treated to allow a stronger adhesion of the plasma material and allow the deformation of the container without the two layers coming unstuck [0078].

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 2-4 rejected under 35 U.S.C. 103(a) as being unpatentable over Darras et al. (US 2002/0176947, hereinafter "Darras") in view of Namamachi (US 6,355,738).

Darras discloses the invention essentially as claimed, with the exception of the thermoplastic material consisting of a recycled material, the acetaldehyde content, and the plastic containing a catalyst as one of its constituents.

Nakamachi discloses a polyester that is widely used for containers such as bottles that has excellent gas barrier properties, transparency, and heat resistance (col. 1 lines 5-10). The polyester may have recycled PET blended within (col. 5 lines 46-47). The acetaldehyde content is 20 ppm (col. 5 lines 38-40). The plastic contains a catalyst that could be considered a constituent (col. 7 lines 33-40).

It would be obvious to one of ordinary skill in the art to use the polyester as disclosed by Nakamachi in the formation of the bottle of Darras. The addition of the

Art Unit: 1794

plasma coating disclosed by Darras on the polyester bottle would considerably reduce the amount of acetaldehyde being released into the container contents [0024], thus allowing for enhanced barrier protection and extended shelf life [0009].

Response to Arguments

8. Applicant's arguments filed 11/25/2008 have been fully considered but they are not persuasive.

9. The rejection of claims 3-6, 8 and 9 under 35 U.S.C 112, second paragraph has been removed. A new rejection of claims 1-10 under 35 U.S.C 112, second paragraph has been added, because claim 1 describes a ***“insertable material”*** that was not clearly defined with the specifications or the claim.

10. The applicant argues that the barrier layer in the references is used to either prevent the entry of components of the surrounding air through the wall of the container into the packaged liquid, or to prevent flavorings held in the liquid from entering the wall of the container. The applicant states there is no disclosure of a container having a coating provided so as to prevent harmful constituents from leaving the plastic material of the container wall and entering the beverage held in the container.

Darras specifically discloses that coating layer is to help isolate the polymer material and the liquid held in the container [0024]. The coating layer will render any migration of the polymer constituents into the liquid, any chemical reaction between the substances in the polymer and the liquid and any migration of acetaldehyde into the liquid impossible [0024]. It can be seen that it is clearly stated in Darras that the coating

Art Unit: 1794

layer is to prevent any harmful constituents from leaving the plastic material and entering the liquid. The coating layer is not just used to for oxygen barrier properties.

Conclusion

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ELLEN S. WOOD whose telephone number is (571)270-3450. The examiner can normally be reached on M-F 730-5 with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David R. Sample can be reached on (571)272-1376. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1794

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/David R. Sample/
Supervisory Patent Examiner, Art Unit 1794